

Green Building Project Fact Sheet

Loloma 5 Condominiums

Project	Project Address Client City Lat/Long/Elev	3707 North Marshall Way Loloma 5 LLC Scottsdale, Arizona 33° 30' North, 111° 52' West, 1180 ft (360 m) above sea level
Team	Architect Builder	Will Bruder & Assoc. Preferred Building Systems Inc.
General	Time Line Floor Area Cost	Project Completed in June, 2004 1550 ft ² per unit (five - 3 story live/work units total) Unknown
Site Use	Minimal Impact Heat Mitigation Orientation Landscaping Air Quality	<ul style="list-style-type: none"> ▪ Building designed with minimal impact on site topography. ▪ Desert plants and natural features beyond 10' of building footprint and paved areas protected during construction. ▪ Non-permeable walkways, uncovered patios, aprons, and driveways cover no more than 40% of the net buildable site area. ▪ All driveways constructed of permeable materials. ▪ Building is oriented on lot so the longest axial dimension faces within 20 degrees of south. ▪ Home is designed with protected outdoor living area on east and/or south side. ▪ Xeriscape is at least 90% of landscaped areas. ▪ Irrigation controller with a rain sensor shut off. ▪ Rainwater collection system with on-site distribution to vegetation. ▪ Utility supplied electric power on site at start of construction.
Structural Elements	Resource Conservation	<ul style="list-style-type: none"> ▪ Floor structure is at least 75% non-solid sawn lumber. ▪ Roof structure is at least 75% non-solid sawn lumber. ▪ Beams and headers are at least 75% non-solid sawn lumber. ▪ Exterior grade sub-floor and/or sheathing.
Building Envelope	Energy Conservation	<ul style="list-style-type: none"> ▪ Ceilings insulated to min. R-38. ▪ Radiant barrier installed at roof or ceiling assembly. ▪ House is wrapped with an exterior air infiltration barrier or building system provides an integral air infiltration barrier. ▪ No more than 25% of total glass area is located on east and west walls combined. ▪ Total glazed area is less than 20% of the total conditioned space.
Heating, Cooling,	Energy Conservation	<ul style="list-style-type: none"> ▪ Zoned HVAC system with individual room temperature control. ▪ Ductwork insulation greater than R-4.2 in conditioned space and R-6 in unconditioned space. ▪ Minimum of three reversible, multi-speed ceiling fans installed.

Electrical Power,	Energy Conservation	<ul style="list-style-type: none"> ▪ Gas dryer stub-out. ▪ Laundry area has both gas and electric dryer stub outs.
Plumbing	Water Conservation Energy Conservation	<ul style="list-style-type: none"> ▪ Water heater within 20-pipe feet (6 m) length of bathroom fixtures. ▪ Provide south roof area for future solar panels and plumbing rough in for solar water heating system.
Roofing	Energy Conservation Resource Conservation	<ul style="list-style-type: none"> ▪ Where permitted, reflective roof surface with min. 75% LRV to reduce heat gain. ▪ Roof material weighs less than 350 lbs/100 ft² to reduce roof mass. ▪ Reusable/recyclable roofing materials.
Exterior Finishes	Resource Conservation	<ul style="list-style-type: none"> ▪ Materials left in natural state.
Interior Finishes	Indoor Air Quality	<ul style="list-style-type: none"> ▪ Water based finishes on all woodwork other than cabinetry.
Interior Doors,	Indoor Air Quality Resource Conservation	<ul style="list-style-type: none"> ▪ Cabinets pre-finished or on-site application of cabinet finishes done with least toxic finishes. ▪ No wood base, cove, door/window trim used.
Finish Floor	Indoor Air Quality	<ul style="list-style-type: none"> ▪ All wall-to-wall carpeting and pad tacked/taped throughout home.
Pools and	Water and Energy Conservation	<ul style="list-style-type: none"> ▪ No swimming pool or spa.
Special Options	Resource Conservation	<ul style="list-style-type: none"> ▪ House less than 3,000 ft² (279 m²) of total livable/conditioned space.